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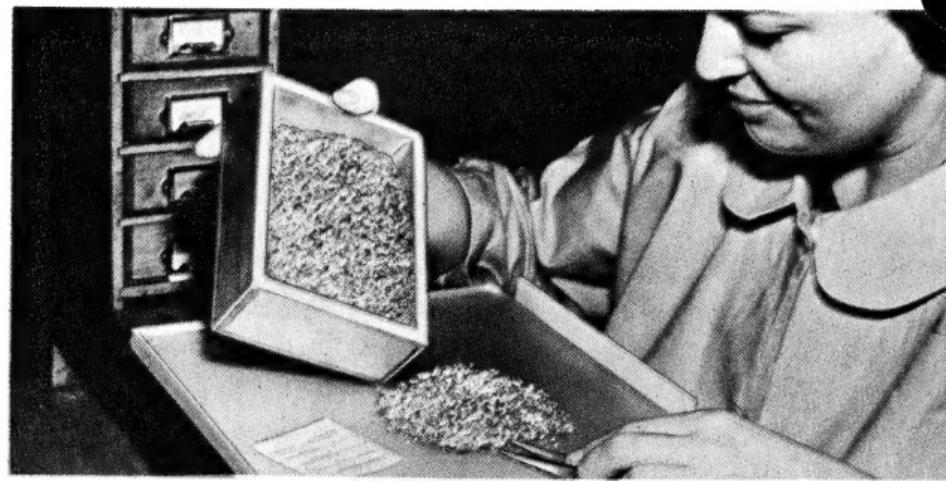
U. S. DEPARTMENT OF AGRICULTURE

Northrup King



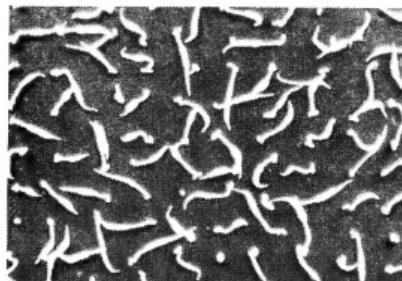
ALFALFAS FOR 1959



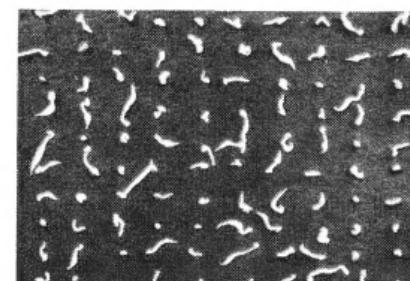


The purity, vigor, brightness and high germination of NK Alfalfa seed results from continuing quality analysis and testing in Northrup King's own laboratories. This work goes on before, during and after seed processing.

Northrup King **WES-GRO** PROCESSED LEGUME SEED



Wes-Gro Processed seed germinates quicker, better, more uniformly.



Unprocessed Alfalfa seed germinates unevenly because of hard seed.

WES-GRO PROCESSING is Northrup King's exclusive method for reducing "hard seed" to a minimum. It makes for faster, more even germination and surer, better stands. And it's a *gentle* method that prevents the injury usually associated with old-fashioned, harmful scarification.

Wes-Gro processing means your NK alfalfa crop will give you:

HIGHER YIELDS . . . test data shows that at the end of the seedling year, Wes-Gro processed seed had made a *20% thicker stand* than unprocessed seed from the same lot planted alongside.

QUICKER EMERGENCE . . . seeds germinate more rapidly and uniformly, combat weed seedlings more effectively.

SURER STANDS . . . plants emerge when growing conditions are right. Seeds and newly-developing seedlings take full advantage of soil moisture.

THICKER STANDS . . . more plants emerge at the proper time because of the faster, more even germination. No unwanted volunteer plants in succeeding crops.



"The best performance of any alfalfa I've ever seen," says A.T. "Tony" Mattos of his 919 Brand. "Over the 35 years I've been growing NK Alfalfas, I've always gotten good performance. And the quality of 919 hay is very high."

919

BRAND

The original blended alfalfa . . . for maximum production, all-around performance

Today's blends of 919 Brand Alfalfa were perfected right on the farm to meet *your* practical, everyday needs. These new blends give maximum production—are tops in over-all performance. The new, improved 919 Brand Alfalfa . . . now better than ever . . . has been *proved* higher yielding on the farm under actual growing conditions.

These features of 919 Brand Alfalfa will help you get *more* from every acre:

WES-GRO PROCESSED to insure quicker, thicker stands of alfalfa and higher yields.

FUNGICIDE TREATED to increase stands and give better yields. This provides protection against seedling "damping-off", and fungus disease that cause seed decay and seedling rot.

AREA BLENDED to assure you local adaptation and uniformly good crops every year. There is a specific blend of 919 Brand that's tailor-made for maximum production in each of the Western alfalfa producing areas. While there are many different varieties and origins of alfalfa, no single alfalfa is superior to all others or adapted to all areas. In 919 Brand the *best* features of several locally adapted alfalfas are blended to produce a superior product for *you*.

HIGHEST PURITY AND GERMINATION . . . 919 Brand has a guaranteed *minimum* purity of 99.9%, a minimum germination of 92% with not over 4% hard seed. These standards—which also prevail on 10-19 and 819 Brand Alfalfas are higher than consistently prevail on any other brands of ordinary alfalfa.

DISEASE RESISTANCE . . . 919 Brand is *more* resistant to common, crop-destroying alfalfa disease than ordinary alfalfa.

*. . . for maximum production,
all-around performance*



Now...new improved

919 BRAND ALFALFA



J. L. Azevedo:

"I'm going 100 % to 919 because it is much more productive and because, with 919, I can get top yields of the very finest hay possible."



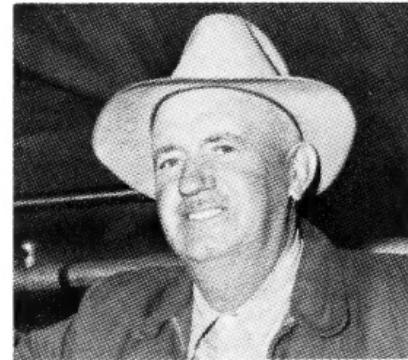
Peter Mortensen:

"My 919 field is free of disease and the stand is very good after four years of fine production. 919 has given me very high tonnage."



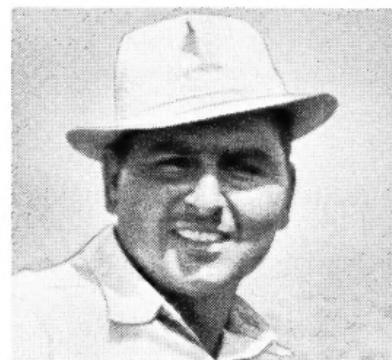
E. V. Sormano:

"A 6-year-old stand of 919 on my farm produced approximately 65 tons per acre during the life of the stand. The hay is excellent quality."



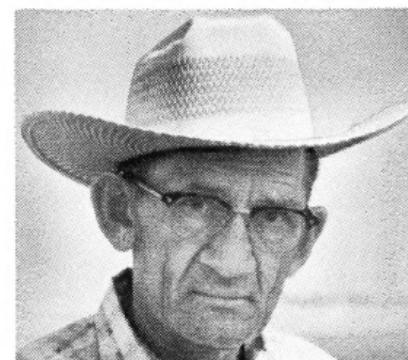
J. C. Andresen:

"919 furnishes 9 months of green chop feed for my dairy herd—March to November. Even on marginal land 919 gives me top-quality hay."



Manuel Bastiao:

"Our 919 recovers very rapidly after mowing and out-produces other alfalfas growing in nearby fields. It's really high-yielding alfalfa."



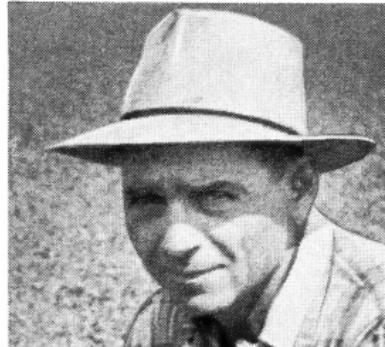
W. W. Buntin:

"My 919 produces more and better hay than anything I've ever tried. I've had little insect problem—I guess because it grows so fast."

FARM TESTED AND GROWN

the blend of 919 Brand Alfalfa for your area has now been *improved* for even better performance on your farm.

These* and many other practical, down-to-earth Western farmers have had a hand in the development of the New Improved 919 Brand.

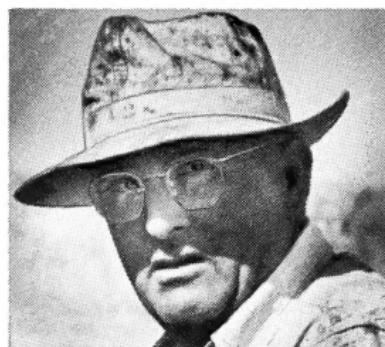


Foster Vierra:

"919 fits well into my program. It's leafy, high-quality alfalfa and a good producer. I feed it to produce quality beef on my feedlot."

Lloyd G. Rusk:

"We've grown other alfalfas, but 919 is our best because of its yielding ability and over-all performance. It produces quality feed."



V. Biancalana:

"My stand of 919 was still going strong when I plowed it out at the end of five years. It performs better than any other alfalfa I've tried."

Hollis Warner

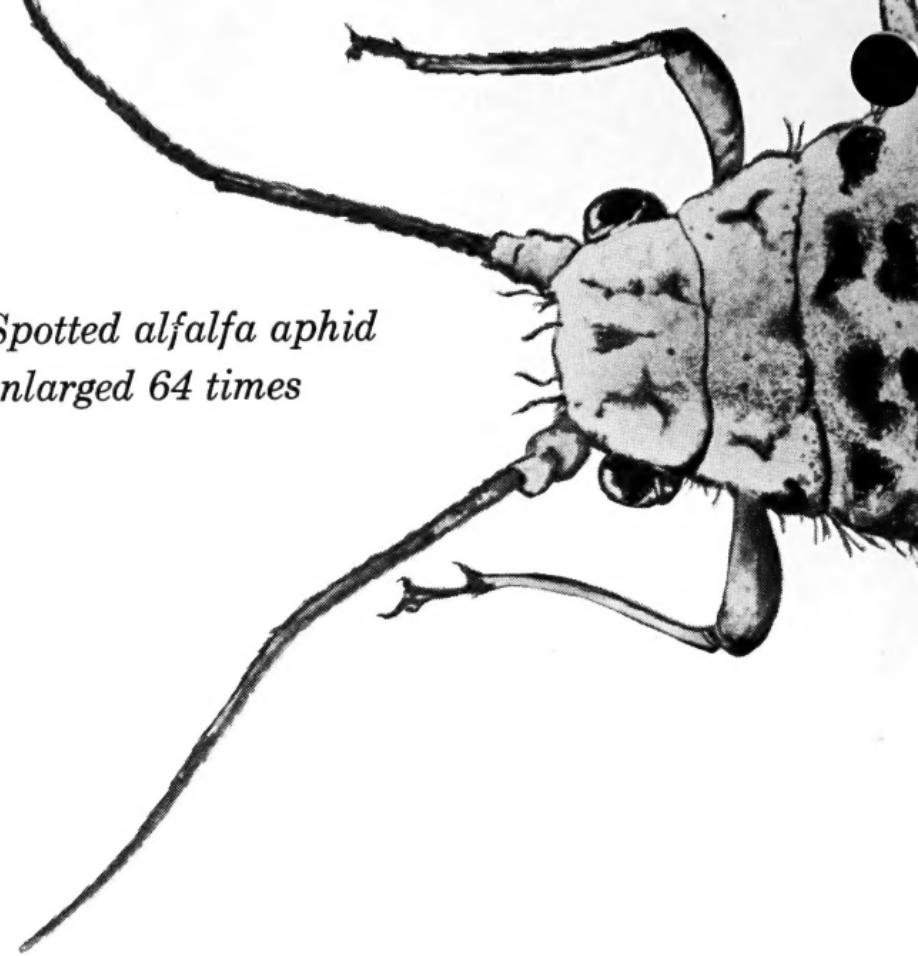
"The recovery of 919 is very fast—it's up a foot by the time we get the bales out of the field. It produces very leafy alfalfa for us."

The present blends of 919 Brand Alfalfa have been perfected as a result of clinical studies of hundreds of case histories like these. These new improved blends were developed right on the farm with the help of practical farmers, like you, who know from first-hand experience what you must expect from an alfalfa crop. They were not developed on the basis of results from test plots alone!

You now get heavier yields in spring and fall . . . greater uniformity of plant type and height . . . superior hay quality, leafiness, and uniformity . . . with 919 Brand Alfalfa.

*Addresses available on request.

*Spotted alfalfa aphid
enlarged 64 times*



10-19 ALFALFA BRAND

Spotted Alfalfa Aphid Resistant

A new long-lived alfalfa product capable of high-quality hay production in areas where the spotted alfalfa aphid is a problem. Because of its aphid resistance, 10-19 Brand Alfalfa holds its leaves well and retains good color when ordinary susceptible alfalfas growing alongside lose their leaves and color and produce only sticky, moldy hay when attacked by the spotted alfalfa aphid. 10-19 Brand produces strong, vigorous stands in the face of aphid attack that would kill ordinary alfalfas.

In addition, these extra features of 10-19 Brand Alfalfa will help you get *more* from every acre:

RESISTANT TO BACTERIAL WILT. New 10-19 Brand has good resistance to this crop-destroying disease, meaning it will produce higher yields on wilt-infested soils than many other commonly grown alfalfas.

WES-GRO PROCESSED for better germination and thicker stands. Hard seed content is reduced to not over 4%, meaning quicker, more uniform early growth, better weed suppression.

FUNGICIDE TREATED to increase stands and give better yields of top quality hay. Fungicide treatment provides protection against "damping-off" and related fungus diseases that cause seed decay and seedling rot.

HIGHEST GUARANTEED ANALYSIS. Minimum purity is 99.9%. Minimum germination and hard seed is 92%. These minimum standards, which are also standards for companion products 819 and 919 Brands, are higher than consistently prevail with any other brands of ordinary alfalfa.

*... for aphid-resistance
and high yields*





*Natural Sweet Clover stubs
Stockley Farm, Dubbo
Received in 1963*

(Limited availability only)

819 ALFALFA

BRAND

Spotted Alfalfa Aphid Resistant

A promising new non-hardy alfalfa product of the African type, specially adapted to shorter rotations in cotton producing areas of California and the Southwest. For use where spotted alfalfa aphid resistance is desirable in combination with the high production and performance usually associated with non-hardy alfalfas. Although testing background to date is more limited than on 10-19 Brand, present data indicates that large, dark green leaves are retained well even when aphid susceptible alfalfas growing alongside are losing their leaves and becoming sticky from aphid attacks.

And new 819 Brand has these *plus* features to help you get more from every acre:

RAPID RECOVERY after mowing is characteristic of 819 Brand Alfalfa, and this feature is coupled with heavier production earlier in the spring and later in the fall.

WES-GRO PROCESSED to gently reduce the hard seed content and promote faster germination and thicker stands. Hard seed content guaranteed to be not over 4%.

FUNGICIDE TREATED to provide protection against "damping-off" and related fungus diseases which cause seed decay and seedling rots. The resulting increased stands give better yields.

HIGHEST GUARANTEED ANALYSIS. 819 Brand, together with its companion products, 919 and 10-19 Brands, carries a purity of at least 99.9% and a germination and hard seed total of at least 92%. These minimums are higher than consistently prevail with any other brands of ordinary alfalfa.

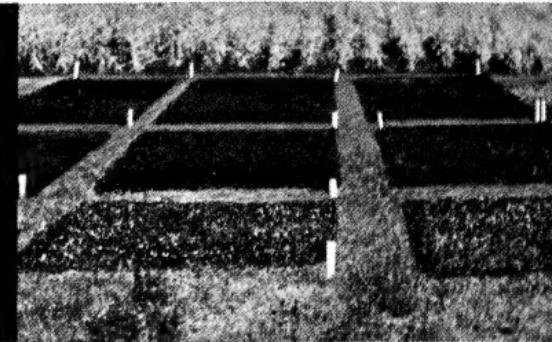
... for aphid-resistant short rotations



Research and Processing

NK Alfalfas help you get more from every acre

research



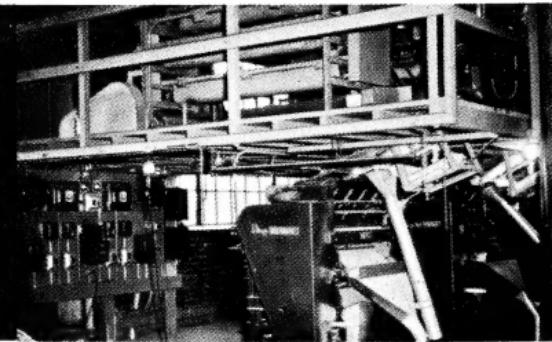
Every Northrup King Alfalfa seed product has been thoroughly tested by NK's own Agronomists. Constant laboratory and field tests of germination, vigor, disease resistance and yield ability are made. The Northrup King Seed Research Program is the most extensive of any seed company in the U.S.

yields



Each high-yielding Northrup King Alfalfa is designed to meet a specific need: 919 Brand for peak yields and all-around performance; 10-19 Brand for long-lived, spotted alfalfa aphid and bacterial wilt resistant stands; 819 Brand for highly productive, aphid-resistant, 2-to-3 year stands.

processing



Specialized equipment and proven methods make NK Alfalfa seed the most consistently high-quality alfalfa seed you can plant. It's the plumpest, brightest, most vigorous alfalfa seed available. It has behind it more research, testing and more processing than any other alfalfa seed on the market.



*Our 75th year
of providing better seeds
for farm, garden and lawn.*

NORTHRUP, KING & CO.

The information and instructions contained in this booklet are believed to be reliable. However, Northrup, King & Co. does not guarantee the accuracy, completeness, or applicability to local conditions of the information and instructions contained herein, and the Company disclaims all legal responsibility therefor.

Minneapolis, Minn.